

## WEST Search History for Application 10668663

Creation Date: 2009112223:55

(protamine and heparin)USPT OR YES 07-07-2008  
((protamine and heparin) ) and (low molecular weight heparin)USPT OR YES 07-07-2008  
(protamine) and (inactivate heparin)USPT OR YES 07-07-2008  
((protamine and heparin) and (low molecular weight heparin) ) and ((protamine) and  
(inactivate heparin) )USPT OR YES 07-07-2008  
20050101532PGPB OR YES 07-07-2008  
(20050101532 ) and (cleavage)PGPB OR YES 07-07-2008  
(20050101532 ) and (culpine)PGPB OR YES 07-07-2008  
(20050101532 ) and (clupine)PGPB OR YES 07-07-2008  
(20050101532 ) and (clupine protamine)PGPB OR YES 07-07-2008  
(20050101532 ) and (salmon protamine)PGPB OR YES 07-07-2008  
(20050101532 ) and (salmon )PGPB OR YES 07-07-2008  
(20050101532 ) and (collagenase )PGPB OR YES 07-07-2008  
(20050101532 ) and (6 arginine )PGPB OR YES 07-07-2008  
(20050101532 ) and (1 proline)PGPB OR YES 07-07-2008  
(20050101532 ) and (proline-specific endoprotease)PGPB OR YES 07-07-2008  
(20050101532 ) and ( endoprotease)PGPB OR YES 07-07-2008  
((protamine and heparin) and (low molecular weight heparin) and (protamine) and (inactivate  
heparin) ) and (salmon or culpeine)USPT OR YES 07-07-2008  
((protamine and heparin) and (low molecular weight heparin) and (protamine) and (inactivate  
heparin) and (salmon or culpeine) ) and (enzymatic cleavage)USPT OR YES 07-07-2008  
((protamine and heparin) and (low molecular weight heparin) and (protamine) and (inactivate  
heparin) and (salmon or culpeine) and (enzymatic cleavage) ) and  
(thermolysin)USPT OR YES 07-07-2008  
((protamine and heparin) and (low molecular weight heparin) and (protamine) and (inactivate  
heparin) and (salmon or culpeine) and (enzymatic cleavage) ) and  
(ficin)USPT OR YES 07-07-2008  
662441.pn.USPT OR YES 07-07-2008  
6624141.pn.USPT OR YES 07-07-2008  
6624141.pn.USPT OR YES 03-26-2009  
(6624141.pn. ) and (thermolysin)USPT OR YES 03-26-2009  
protamineUSPT OR YES 03-26-2009  
(protamine ) and fragmentsUSPT OR YES 03-26-2009  
(protamine and fragments ) and (arginine rich)USPT OR YES 03-26-2009  
(protamine and fragments and (arginine rich) ) and (culpeine)USPT OR YES 03-26-2009  
(protamine and fragments and (arginine rich) ) and (salmon)USPT OR YES 03-26-2009  
(protamine and fragments and (arginine rich) and (salmon) ) and (low molecular weight  
protamine)USPT OR YES 03-26-2009  
yang.in.USPT OR YES 03-26-2009  
byun.in.USPT OR YES 03-26-2009  
(byun.in. ) and (yang.in. )USPT OR YES 03-26-2009  
(byun.in. and yang.in. ) and protamineUSPT OR YES 03-26-2009  
yang.in.PGPB OR YES 03-26-2009  
byun.in.PGPB OR YES 03-26-2009  
(byun.in. ) and (yang.in. )PGPB OR YES 03-26-2009  
(byun.in. and yang.in. ) and protaminePGPB OR YES 03-26-2009

(6624141.pn. ) and (fragment)PGPB OR YES 03-26-2009  
 (6624141.pn. ) and (protamine fragment)PGPB OR YES 03-26-2009  
 (6624141.pn. and (protamine fragment) )USPT OR YES 03-26-2009  
 (6624141.pn. ) and (protamine fragment)USPT OR YES 03-26-2009  
 200510101532PGPB OR YES 03-26-2009  
 20050101532PGPB OR YES 03-26-2009  
 (20050101532 ) and (thermolysin)PGPB OR YES 03-26-2009  
 (20050101532 ) and (proline)PGPB OR YES 03-26-2009

## Prior Art Searches

| Query   | DB   | Op. | Plur. | Thes. | Date       |
|---|------|-----|-------|-------|------------|
| 20050101532   | PGPB | OR  | YES   |       | 11-17-2009 |
| protamine   | PGPB | OR  | YES   |       | 11-17-2009 |
| (protamine ) and (heparin)  | PGPB | OR  | YES   |       | 11-17-2009 |
| (protamine and (heparin) ) and (low molecular weight heparin)   | PGPB | OR  | YES   |       | 11-17-2009 |
| (protamine and (heparin) and (low molecular weight heparin) ) and (400 to 2500 daltons)   | PGPB | OR  | YES   |       | 11-17-2009 |
| (protamine and (heparin) and (low molecular weight heparin) and (400 to 2500 daltons) ) and (1100 to 1300)                                  | PGPB | OR  | YES   |       | 11-17-2009 |
| (protamine and (heparin) and (low molecular weight heparin) and (400 to 2500 daltons) and (1100 to 1300) ) and (thermolysin)                | PGPB | OR  | YES   |       | 11-17-2009 |
| (protamine and (heparin) and (low molecular weight heparin) and (400 to 2500 daltons) and (1100 to 1300) and (thermolysin) ) and (clupeine) | PGPB | OR  | YES   |       | 11-17-2009 |
| yang.in.  | USPT | OR  | YES   |       | 11-17-2009 |
| byun.in.  | USPT | OR  | YES   |       | 11-17-2009 |
| (byun.in. ) and (yang.in. )   | USPT | OR  | YES   |       | 11-17-2009 |
| 6624141.pn.   | USPT | OR  | YES   |       | 11-17-2009 |
| (20050101532 ) and (purified protamine)   | USPT | OR  | YES   |       | 11-17-2009 |
| (20050101532 ) and (purified protamine fragment)  | PGPB | OR  | YES   |       | 11-17-2009 |
| (20050101532 ) and (purified )  | PGPB | OR  | YES   |       | 11-17-2009 |
| 20050101532   | PGPB | OR  | YES   |       | 11-22-2009 |
| (20050101532 ) and (protamine)  | PGPB | OR  | YES   |       | 11-22-2009 |
| (20050101532 ) and (protease)   | PGPB | OR  | YES   |       | 11-22-2009 |

|   |      |    |     |  |            |
|---|------|----|-----|--|------------|
| <b>(20050101532 ) and (protease cleavage)</b>   | PGPB | OR | YES |  | 11-22-2009 |
| <b>yang.in.</b>                                 | PGPB | OR | YES |  | 11-22-2009 |
| <b>byun.in.</b>                                 | PGPB | OR | YES |  | 11-22-2009 |
| <b>(byun.in. ) and (yang.in. )</b>              | PGPB | OR | YES |  | 11-22-2009 |
| <b>(byun.in. and yang.in. ) and (protamine)</b> | PGPB | OR | YES |  | 11-22-2009 |
| <b>yang.in.</b>                                 | USPT | OR | YES |  | 11-22-2009 |
| <b>byun.in.</b>                                 | USPT | OR | YES |  | 11-22-2009 |
| <b>(byun.in. ) and (yang.in. )</b>              | USPT | OR | YES |  | 11-22-2009 |
| <b>(byun.in. and yang.in. ) and (protamine)</b> | USPT | OR | YES |  | 11-22-2009 |
| <b>6624141.pn.</b>                              | USPT | OR | YES |  | 11-22-2009 |